

### Remarks

The May 2, 2007 Notice of Allowance included an Examiner's amendment of claim 2. Applicants respectfully submit that claim 2 as amended by the Examiner has a slight syntax problem. Accordingly, Applicants have submitted an amended claim 2 which corrects said problem without adding any new matter.

### Nature Of The Proposed Amendments

As amended, claim 2 recites a mouse cardiac alpha myosin heavy chain which exhibits reduced contractility and increased power generating work capacity, thereby causing a transgenic mouse to exhibit a reduced heart rate. Myosin provides the contractility and power generating qualities required by the scope of the present invention, and the mouse exhibits the phenotype of a reduced heart rate. Applicants respectfully submit that without the current amendment, claim 2 as proposed by the Examiner recites a mouse exhibiting reduced contractility and increased power generating work capacity. As is clearly shown in the application as filed, the present invention is directed to a transgenic mouse which exhibits a reduced heart rate due to the presence of a cardiac alpha myosin heavy chain exhibiting reduced contractility and increased power generating work capacity. See, for instance, paragraphs [0005], [0043] and Example II. Claim 2 as amended herein merely clarifies this.

### Summary

In view of the above amendment and remarks, reconsideration is respectfully requested. No extension of time is believed to be necessary and no fee is believed to be due in connection with this response. However, if any extension of time is required in this or any subsequent response, please consider this to be a petition for the appropriate extension and a request to charge the petition fee to the Deposit Account No. 17-0055. No other fee is believed to be due in connection with this response. However, if any fee is due in this or any subsequent response, please charge the fee to the same Deposit Account No. 17-0055. A paper authorizing payment of the issue fee in this case accompanies this Amendment after Allowance.

Respectfully submitted,  
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